

ATTACHMENT A

CITY OF DAYTON'S SCHEDULE OF RATES FOR
SEWER SERVICE

Official Site of The City of Dayton, OH



Water Service Rates

Minimum charge per quarter

RATES FOR WATER SERVICE

Minimum Charge Per Quarter
(Effective January 1, 2009)

5/8"	Meter	\$12.97
3/4"	Meter	\$21.53
1"	Meter	\$46.50
1-1.5"	Meter	\$91.87
2"	Meter	\$168.01
3"	Meter	\$358.08
4"	Meter	\$551.09
6"	Meter	\$965.53
8"	Meter	\$1,652.38
10"	Meter	\$2,753.67
>10"	Meter	\$3,800.47
First	10,000 CF/1000	\$24.67
Next	90,000 CF/1000	\$23.50
Next	400,000 CF/1000	\$22.17
Next	500,000 CF/1000	\$18.17
Over	1,000,000 CF/1000	\$16.79

RATES FOR SEWER SERVICE

Minimum Charge per Quarter
(Effective January 1, 2009)

5/8"	Meter	\$14.16
3/4"	Meter	\$14.16
1"	Meter	\$27.67
1.5"	Meter	\$29.28
2"	Meter	\$32.10
3"	Meter	\$66.39
4"	Meter	\$78.50
6"	Meter	\$106.73
8"	Meter	\$139.00
10"	Meter	\$175.33
First	10,000 CF/1000	\$16.39
Next	90,000 CF/1000	\$12.57
Over	100,000 CF/1000	\$11.73

Minimum charge per month

RATES FOR WATER SERVICE

Minimum Charge Per Month
(Effective January 1, 2009)

5/8"	Meter	\$10.27
3/4"	Meter	\$13.06
1"	Meter	\$22.07
1-1.5"	Meter	\$37.52
2"	Meter	\$63.57
3"	Meter	\$127.16
4"	Meter	\$191.30
6"	Meter	\$322.98
8"	Meter	\$551.17
10"	Meter	\$918.46
>10"	Meter	\$1,266.78
First	3,300 CF/1000	\$24.67
Next	30,000 CF/1000	\$23.50
Next	133,000 CF/1000	\$22.17
Next	167,000 CF/1000	\$18.17
Over	333,300 CF/1000	\$16.79

RATES FOR SEWER SERVICE

Minimum charge per month
(Effective January 1, 2009)

5/8"	Meter	\$11.19
3/4"	Meter	\$11.19
1"	Meter	\$15.70
1.5"	Meter	\$16.24
2"	Meter	\$17.18
3"	Meter	\$28.61
4"	Meter	\$32.64
6"	Meter	\$42.06
8"	Meter	\$52.81
10"	Meter	\$64.91
First	3,300 CF/1000	\$16.39
Next	30,000 CF/1000	\$12.57
Over	33,300 CF/1000	\$11.13

Additionally, the above rates are subject to charges up to \$0.50/1000 cf, added for the Well Field Protection Fund.

In addition to the above rates, an Extra Strength Surcharge shall be made for discharges as follows:

NOTICE

Strength Component

Charge Per Excess
Strength Unit Per 1000
G.P.

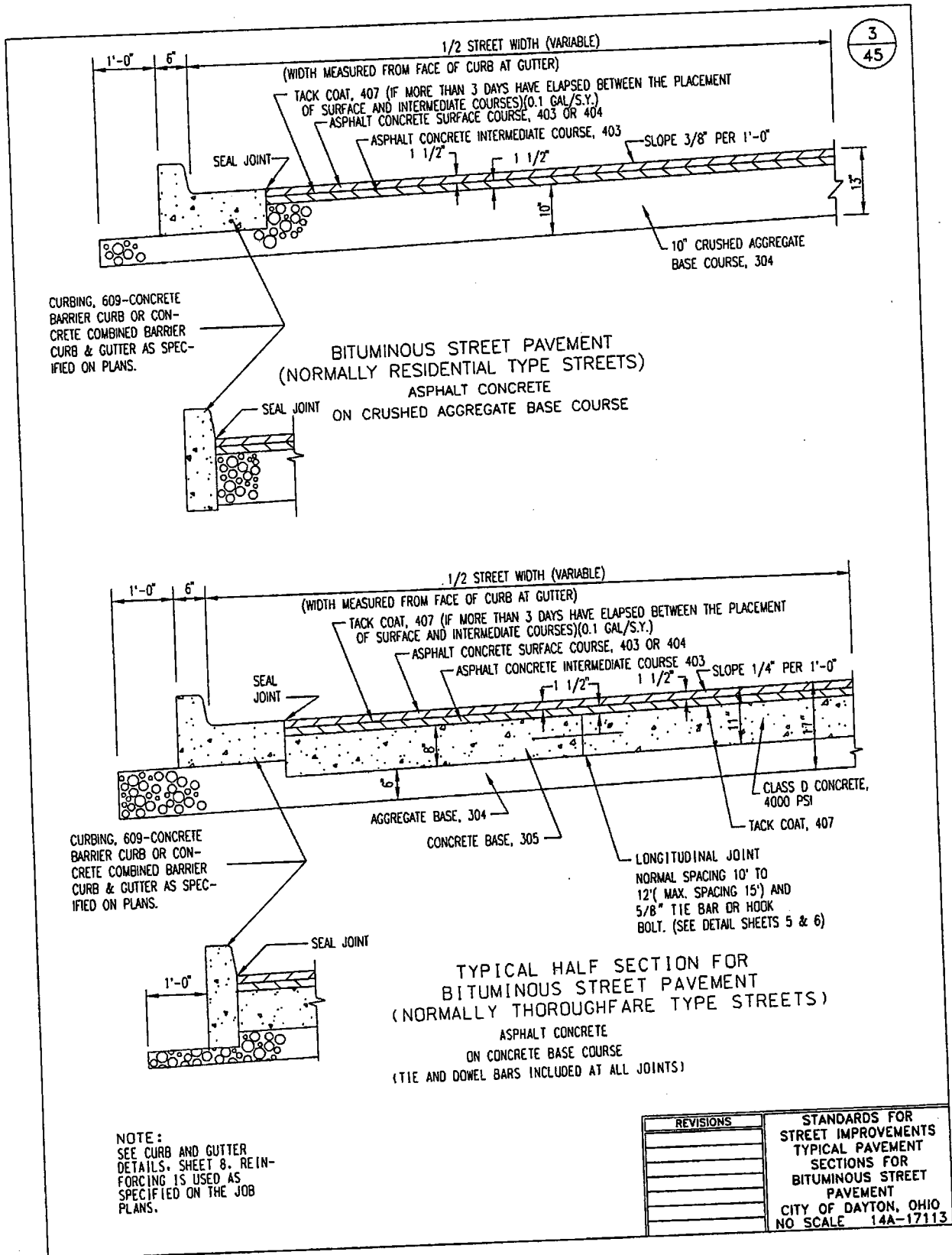
Official Site of The City of Dayton, OH

Net amount (5% discount) allowed if paid by the day
specified. Gross amount payable thereafter.
For further information: 333-3550

Biochemical Oxygen Demand (BOD) in excess of 350 mg/l	\$0.00567
Suspended Solids in excess of 350 mg/l	\$0.00609
Special monitoring charge - \$/cct	\$0.09216

ATTACHMENT B

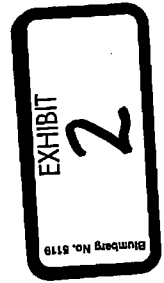
CITY OF DAYTON'S STANDARDS
FOR STREET IMPROVEMENTS



	2a		2b		3a		3b	
	Total	NPV	Total	NPV	Total	NPV	Total	NPV
POTW Base	\$48,550,311	\$33,209,514	\$58,016,157	\$37,895,738	\$43,925,790	\$28,447,784	\$53,391,636	\$33,134,008
POTW Variation	\$52,137,700	\$43,113,469	\$62,301,568	(\$50,460,529)	\$47,156,997	\$38,052,126	\$57,320,865	\$45,399,187
T&D Base	\$114,191,886	\$59,215,105	\$218,112,867	\$102,458,431	\$126,552,015	\$61,478,816	\$230,472,996	\$104,722,141
T&D Variation	\$122,698,630	\$90,379,862	\$234,400,108	\$166,412,588	\$135,976,437	\$97,723,881	\$247,677,885	\$173,755,586

Base Assumptions are 7% NPV Discount Rate and \$0 for agency oversight of the RDRA both of which are unrealistic.

Variation Assumptions are 9% oversight costs of the RDRA based on actual experience at the Site over the history of the Site and 2.7% NPV Discount Rate based on U.S. Government data on prevailing prime interest rates and predictions regarding future rates.



NET PRESENT VALUE ANALYSIS (30 YEARS, 0% AGENCY OVERSIGHT, 7% DISCOUNT RATE)
(LEACHATE/GROUNDWATER SANITARY SEWER DISPOSAL SCENARIO)
NORTH SANITARY LANDFILL
DAYTON, OHIO

Cost Type	Year	Total Cost	Total Cost Per Year	Discount Factor (7%)	Present Value
Alternative 2a					
Capital Cost	0	\$ 22,705,311	\$ 22,705,311	1.000	\$ 22,705,311
Annual O&M Cost	1-30	\$ 24,870,000	\$ 829,000	12.409	\$ 10,287,095
Periodic Cost (5-Year Review)	5	\$ 65,000	\$ 65,000	0.713	\$ 46,344
Periodic Cost (5-Year Review)	10	\$ 65,000	\$ 65,000	0.508	\$ 33,043
Periodic Cost (5-Year Review)	15	\$ 65,000	\$ 65,000	0.362	\$ 23,559
Periodic Cost (5-Year Review)	20	\$ 65,000	\$ 65,000	0.258	\$ 16,797
Periodic Cost (5-Year Review)	25	\$ 65,000	\$ 65,000	0.184	\$ 11,976
Periodic Cost (5-Year Review)	30	\$ 520,000	\$ 520,000	0.131	\$ 68,311
Periodic Cost (Decommissioning)	30	\$ 130,000	\$ 130,000	0.131	\$ 17,078
Periodic Cost (Remedial Action Report)					\$ 33,209,514
		\$ 48,550,311			
Alternative 2b					
Capital Cost	0	\$ 24,113,757	\$ 24,113,757	1.000	\$ 24,113,757
Annual O&M Cost	1-30	\$ 32,732,400	\$ 1,091,080	12.409	\$ 13,539,257
Periodic Cost (5-Year Review)	5	\$ 65,000	\$ 65,000	0.713	\$ 46,344
Periodic Cost (5-Year Review)	10	\$ 65,000	\$ 65,000	0.508	\$ 33,043
Periodic Cost (5-Year Review)	15	\$ 65,000	\$ 65,000	0.362	\$ 23,559
Periodic Cost (5-Year Review)	20	\$ 65,000	\$ 65,000	0.258	\$ 16,797
Periodic Cost (5-Year Review)	25	\$ 65,000	\$ 65,000	0.184	\$ 11,976
Periodic Cost (5-Year Review)	30	\$ 715,000	\$ 715,000	0.131	\$ 93,927
Periodic Cost (Decommissioning)	30	\$ 130,000	\$ 130,000	0.131	\$ 17,078
Periodic Cost (Remedial Action Report)					\$ 37,895,738
		\$ 58,016,157			
Alternative 3a					
Capital Cost	0	\$ 17,846,790	\$ 17,846,790	1.000	\$ 17,846,790
Annual O&M Cost	1-30	\$ 25,104,000	\$ 836,800	12.409	\$ 10,383,886
Periodic Cost (5-Year Review)	5	\$ 65,000	\$ 65,000	0.713	\$ 46,344
Periodic Cost (5-Year Review)	10	\$ 65,000	\$ 65,000	0.508	\$ 33,043
Periodic Cost (5-Year Review)	15	\$ 65,000	\$ 65,000	0.362	\$ 23,559
Periodic Cost (5-Year Review)	20	\$ 65,000	\$ 65,000	0.258	\$ 16,797
Periodic Cost (5-Year Review)	25	\$ 65,000	\$ 65,000	0.184	\$ 11,976
Periodic Cost (5-Year Review)	30	\$ 520,000	\$ 520,000	0.131	\$ 68,311
Periodic Cost (Decommissioning)	30	\$ 130,000	\$ 130,000	0.131	\$ 17,078
Periodic Cost (Remedial Action Report)					\$ 28,447,784
		\$ 43,925,790			
Alternative 3b					
Capital Cost	0	\$ 19,255,236	\$ 19,255,236	1.000	\$ 19,255,236
Annual O&M Cost	1-30	\$ 32,966,400	\$ 1,098,880	12.409	\$ 13,636,047
Periodic Cost (5-Year Review)	5	\$ 65,000	\$ 65,000	0.713	\$ 46,344
Periodic Cost (5-Year Review)	10	\$ 65,000	\$ 65,000	0.508	\$ 33,043
Periodic Cost (5-Year Review)	15	\$ 65,000	\$ 65,000	0.362	\$ 23,559
Periodic Cost (5-Year Review)	20	\$ 65,000	\$ 65,000	0.258	\$ 16,797
Periodic Cost (5-Year Review)	25	\$ 65,000	\$ 65,000	0.184	\$ 11,976
Periodic Cost (5-Year Review)	30	\$ 715,000	\$ 715,000	0.131	\$ 93,927
Periodic Cost (Decommissioning)	30	\$ 130,000	\$ 130,000	0.131	\$ 17,078
Periodic Cost (Remedial Action Report)					\$ 33,134,008
		\$ 53,391,636			

NET PRESENT VALUE ANALYSIS (30 YEARS, 9% AGENCY OVERSIGHT, 2.7% DISCOUNT RATE)
(LEACHATE/GROUNDWATER SANITARY SEWER DISPOSAL SCENARIO)
NORTH SANITARY LANDFILL
DAYTON, OHIO

Cost Type	Year	Total Cost	Total Cost Per Year	Discount Factor (2.7%)	Present Value
Alternative 2a					
Capital Cost	0	\$ 24,449,950	\$ 24,449,950	1.000	\$ 24,449,950
Annual O&M Cost	1-30	\$ 26,712,750	\$ 890,425	20.383	\$ 18,149,417
Periodic Cost (5-Year Review)	5	\$ 65,000	\$ 65,000	0.875	\$ 56,893
Periodic Cost (5-Year Review)	10	\$ 65,000	\$ 65,000	0.766	\$ 49,798
Periodic Cost (5-Year Review)	15	\$ 65,000	\$ 65,000	0.671	\$ 43,587
Periodic Cost (5-Year Review)	20	\$ 65,000	\$ 65,000	0.587	\$ 38,151
Periodic Cost (5-Year Review)	25	\$ 65,000	\$ 65,000	0.514	\$ 33,393
Periodic Cost (Decommissioning)	30	\$ 520,000	\$ 520,000	0.450	\$ 233,825
Periodic Cost (Remedial Action Report)	30	\$ 130,000	\$ 130,000	0.450	\$ 58,456
		\$ 52,137,700			\$ 49,113,469
Alternative 2b					
Capital Cost	0	\$ 25,966,738	\$ 25,966,738	1.000	\$ 25,966,738
Annual O&M Cost	1-30	\$ 35,164,830	\$ 1,172,161	20.383	\$ 23,892,005
Periodic Cost (5-Year Review)	5	\$ 65,000	\$ 65,000	0.875	\$ 56,893
Periodic Cost (5-Year Review)	10	\$ 65,000	\$ 65,000	0.766	\$ 49,798
Periodic Cost (5-Year Review)	15	\$ 65,000	\$ 65,000	0.671	\$ 43,587
Periodic Cost (5-Year Review)	20	\$ 65,000	\$ 65,000	0.587	\$ 38,151
Periodic Cost (5-Year Review)	25	\$ 65,000	\$ 65,000	0.514	\$ 33,393
Periodic Cost (Decommissioning)	30	\$ 715,000	\$ 715,000	0.450	\$ 321,509
Periodic Cost (Remedial Action Report)	30	\$ 130,000	\$ 130,000	0.450	\$ 58,456
		\$ 62,301,568			\$ 50,460,529
Alternative 3a					
Capital Cost	0	\$ 19,217,697	\$ 19,217,697	1.000	\$ 19,217,697
Annual O&M Cost	1-30	\$ 26,964,300	\$ 898,810	20.383	\$ 18,320,327
Periodic Cost (5-Year Review)	5	\$ 65,000	\$ 65,000	0.875	\$ 56,893
Periodic Cost (5-Year Review)	10	\$ 65,000	\$ 65,000	0.766	\$ 49,798
Periodic Cost (5-Year Review)	15	\$ 65,000	\$ 65,000	0.671	\$ 43,587
Periodic Cost (5-Year Review)	20	\$ 65,000	\$ 65,000	0.587	\$ 38,151
Periodic Cost (5-Year Review)	25	\$ 65,000	\$ 65,000	0.514	\$ 33,393
Periodic Cost (Decommissioning)	30	\$ 520,000	\$ 520,000	0.450	\$ 233,825
Periodic Cost (Remedial Action Report)	30	\$ 130,000	\$ 130,000	0.450	\$ 58,456
		\$ 47,156,997			\$ 38,052,126
Alternative 3b					
Capital Cost	0	\$ 20,734,485	\$ 20,734,485	1.000	\$ 20,734,485
Annual O&M Cost	1-30	\$ 35,416,380	\$ 1,180,546	20.383	\$ 24,062,915
Periodic Cost (5-Year Review)	5	\$ 65,000	\$ 65,000	0.875	\$ 56,893
Periodic Cost (5-Year Review)	10	\$ 65,000	\$ 65,000	0.766	\$ 49,798
Periodic Cost (5-Year Review)	15	\$ 65,000	\$ 65,000	0.671	\$ 43,587
Periodic Cost (5-Year Review)	20	\$ 65,000	\$ 65,000	0.587	\$ 38,151
Periodic Cost (5-Year Review)	25	\$ 65,000	\$ 65,000	0.514	\$ 33,393
Periodic Cost (Decommissioning)	30	\$ 715,000	\$ 715,000	0.450	\$ 321,509
Periodic Cost (Remedial Action Report)	30	\$ 130,000	\$ 130,000	0.450	\$ 58,456
		\$ 57,320,865			\$ 45,399,187

NET PRESENT VALUE ANALYSIS (30 YEARS, 0% AGENCY OVERSIGHT, 7% DISCOUNT RATE)
(LEACHATE/GROUNDWATER T&D SCENARIO)
NORTH SANITARY LANDFILL
DAYTON, OHIO

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Cost Type	Year	Total Cost	Total Cost Per Year	Discount Factor (7%)	Present Value
Alternative 2a					
Capital Cost	0	\$ 20,750,826	\$ 20,750,826	1.000	\$ 20,750,826
Annual O&M Cost	1-30	\$ 92,466,060	\$ 3,082,202	12.409	\$ 38,247,172
Periodic Cost (5-Year Review)	5	\$ 65,000	\$ 65,000	0.713	\$ 46,344
Periodic Cost (5-Year Review)	10	\$ 65,000	\$ 65,000	0.508	\$ 33,043
Periodic Cost (5-Year Review)	15	\$ 65,000	\$ 65,000	0.362	\$ 23,559
Periodic Cost (5-Year Review)	20	\$ 65,000	\$ 65,000	0.258	\$ 16,797
Periodic Cost (5-Year Review)	25	\$ 65,000	\$ 65,000	0.184	\$ 11,976
Periodic Cost (Decommissioning)	30	\$ 520,000	\$ 520,000	0.131	\$ 68,311
Periodic Cost (Remedial Action Report)	30	\$ 130,000	\$ 130,000	0.131	\$ 17,078
		\$ 114,191,886			\$ 59,215,105
Alternative 2b					
Capital Cost	0	\$ 21,284,697	\$ 21,284,697	1.000	\$ 21,284,697
Annual O&M Cost	1-30	\$ 195,658,170	\$ 6,521,939	12.409	\$ 80,931,010
Periodic Cost (5-Year Review)	5	\$ 65,000	\$ 65,000	0.713	\$ 46,344
Periodic Cost (5-Year Review)	10	\$ 65,000	\$ 65,000	0.508	\$ 33,043
Periodic Cost (5-Year Review)	15	\$ 65,000	\$ 65,000	0.362	\$ 23,559
Periodic Cost (5-Year Review)	20	\$ 65,000	\$ 65,000	0.258	\$ 16,797
Periodic Cost (5-Year Review)	25	\$ 65,000	\$ 65,000	0.184	\$ 11,976
Periodic Cost (Decommissioning)	30	\$ 715,000	\$ 715,000	0.131	\$ 93,927
Periodic Cost (Remedial Action Report)	30	\$ 130,000	\$ 130,000	0.131	\$ 17,078
		\$ 218,112,867			\$ 102,458,431
Alternative 3a					
Capital Cost	0	\$ 15,892,305	\$ 15,892,305	1.000	\$ 15,892,305
Annual O&M Cost	1-30	\$ 109,684,710	\$ 3,656,157	12.409	\$ 45,369,403
Periodic Cost (5-Year Review)	5	\$ 65,000	\$ 65,000	0.713	\$ 46,344
Periodic Cost (5-Year Review)	10	\$ 65,000	\$ 65,000	0.508	\$ 33,043
Periodic Cost (5-Year Review)	15	\$ 65,000	\$ 65,000	0.362	\$ 23,559
Periodic Cost (5-Year Review)	20	\$ 65,000	\$ 65,000	0.258	\$ 16,797
Periodic Cost (5-Year Review)	25	\$ 65,000	\$ 65,000	0.184	\$ 11,976
Periodic Cost (Decommissioning)	30	\$ 520,000	\$ 520,000	0.131	\$ 68,311
Periodic Cost (Remedial Action Report)	30	\$ 130,000	\$ 130,000	0.131	\$ 17,078
		\$ 126,552,015			\$ 61,478,816
Alternative 3b					
Capital Cost	0	\$ 16,426,176	\$ 16,426,176	1.000	\$ 16,426,176
Annual O&M Cost	1-30	\$ 212,876,820	\$ 7,095,894	12.409	\$ 88,059,241
Periodic Cost (5-Year Review)	5	\$ 65,000	\$ 65,000	0.713	\$ 46,344
Periodic Cost (5-Year Review)	10	\$ 65,000	\$ 65,000	0.508	\$ 33,043
Periodic Cost (5-Year Review)	15	\$ 65,000	\$ 65,000	0.362	\$ 23,559
Periodic Cost (5-Year Review)	20	\$ 65,000	\$ 65,000	0.258	\$ 16,797
Periodic Cost (5-Year Review)	25	\$ 65,000	\$ 65,000	0.184	\$ 11,976
Periodic Cost (Decommissioning)	30	\$ 715,000	\$ 715,000	0.131	\$ 93,927
Periodic Cost (Remedial Action Report)	30	\$ 130,000	\$ 130,000	0.131	\$ 17,078
		\$ 230,472,996			\$ 104,722,141

NET PRESENT VALUE ANALYSIS (30 YEARS, 9% AGENCY OVERSIGHT, 2.7% DISCOUNT RATE)
(LEACHATE/GROUNDWATER T&D SCENARIO)
NORTH SANITARY LANDFILL
DAYTON, OHIO

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Cost Type	Year	Total Cost	Total Cost Per Year	Discount Factor (2.7%)	Present Value
Alternative 2a					
Capital Cost	0	\$ 22,345,120	\$ 22,345,120	1.000	\$ 22,345,120
Annual O&M Cost	1-30	\$ 99,378,510	\$ 3,312,617	20.383	\$ 67,520,640
Periodic Cost (5-Year Review)	5	\$ 65,000	\$ 65,000	0.875	\$ 56,893
Periodic Cost (5-Year Review)	10	\$ 65,000	\$ 65,000	0.766	\$ 49,798
Periodic Cost (5-Year Review)	15	\$ 65,000	\$ 65,000	0.671	\$ 43,587
Periodic Cost (5-Year Review)	20	\$ 65,000	\$ 65,000	0.587	\$ 38,151
Periodic Cost (5-Year Review)	25	\$ 65,000	\$ 65,000	0.514	\$ 33,393
Periodic Cost (Decommissioning)	30	\$ 520,000	\$ 520,000	0.450	\$ 233,825
Periodic Cost (Remedial Action Report)	30	\$ 130,000	\$ 130,000	0.450	\$ 58,456
		\$ 122,698,630			\$ 90,579,862
Alternative 2b					
Capital Cost	0	\$ 22,920,058	\$ 22,920,058	1.000	\$ 22,920,058
Annual O&M Cost	1-30	\$ 210,310,050	\$ 7,010,335	20.383	\$ 142,890,744
Periodic Cost (5-Year Review)	5	\$ 65,000	\$ 65,000	0.875	\$ 56,893
Periodic Cost (5-Year Review)	10	\$ 65,000	\$ 65,000	0.766	\$ 49,798
Periodic Cost (5-Year Review)	15	\$ 65,000	\$ 65,000	0.671	\$ 43,587
Periodic Cost (5-Year Review)	20	\$ 65,000	\$ 65,000	0.587	\$ 38,151
Periodic Cost (5-Year Review)	25	\$ 65,000	\$ 65,000	0.514	\$ 33,393
Periodic Cost (Decommissioning)	30	\$ 715,000	\$ 715,000	0.450	\$ 321,509
Periodic Cost (Remedial Action Report)	30	\$ 130,000	\$ 130,000	0.450	\$ 58,456
		\$ 234,400,108			\$ 166,412,588
Alternative 3a					
Capital Cost	0	\$ 17,112,867	\$ 17,112,867	1.000	\$ 17,112,867
Annual O&M Cost	1-30	\$ 117,888,570	\$ 3,929,619	20.383	\$ 80,096,911
Periodic Cost (5-Year Review)	5	\$ 65,000	\$ 65,000	0.875	\$ 56,893
Periodic Cost (5-Year Review)	10	\$ 65,000	\$ 65,000	0.766	\$ 49,798
Periodic Cost (5-Year Review)	15	\$ 65,000	\$ 65,000	0.671	\$ 43,587
Periodic Cost (5-Year Review)	20	\$ 65,000	\$ 65,000	0.587	\$ 38,151
Periodic Cost (5-Year Review)	25	\$ 65,000	\$ 65,000	0.514	\$ 33,393
Periodic Cost (Decommissioning)	30	\$ 520,000	\$ 520,000	0.450	\$ 233,825
Periodic Cost (Remedial Action Report)	30	\$ 130,000	\$ 130,000	0.450	\$ 58,456
		\$ 135,976,437			\$ 97,723,881
Alternative 3b					
Capital Cost	0	\$ 17,687,805	\$ 17,687,805	1.000	\$ 17,687,805
Annual O&M Cost	1-30	\$ 228,820,080	\$ 7,627,336	20.383	\$ 155,466,995
Periodic Cost (5-Year Review)	5	\$ 65,000	\$ 65,000	0.875	\$ 56,893
Periodic Cost (5-Year Review)	10	\$ 65,000	\$ 65,000	0.766	\$ 49,798
Periodic Cost (5-Year Review)	15	\$ 65,000	\$ 65,000	0.671	\$ 43,587
Periodic Cost (5-Year Review)	20	\$ 65,000	\$ 65,000	0.587	\$ 38,151
Periodic Cost (5-Year Review)	25	\$ 65,000	\$ 65,000	0.514	\$ 33,393
Periodic Cost (Decommissioning)	30	\$ 715,000	\$ 715,000	0.450	\$ 321,509
Periodic Cost (Remedial Action Report)	30	\$ 130,000	\$ 130,000	0.450	\$ 58,456
		\$ 247,677,885			\$ 173,756,586

SUMMARY OF ESTIMATED CAPITAL, ANNUAL O&M, AND PERIODIC COSTS
(LEACHATE/GROUNDWATER SANITARY SEWER DISPOSAL SCENARIO, 0% AGENCY OVERSIGHT)
NORTH SANITARY LANDFILL
DAYTON, OHIO

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Environmental Media	Alternative No.:	2a	2b	3a	3b
	Disposal Area 1, 2, 3, 5 Cap:	SW Cap	SW Cap	Alternate SW Cap	Alternate SW Cap
	Groundwater:	Monitoring	Extraction	Monitoring	Extraction
	Process Options				

CAPITAL COSTS

Waste and OPBWA Soil	Disposal Area 4 Waste Relocation	\$1,537,080	\$1,537,080	\$1,537,080	\$1,537,080
	Disposal Area 4 Post-Excavation Sampling	\$25,000	\$25,000	\$25,000	\$25,000
OPBWA Waste and Soil Consolidation	OPBWA Waste and Soil Consolidation	\$7,650	\$7,650	\$7,650	\$7,650
	OPBWA Post-Excavation Sampling	\$2,000	\$2,000	\$2,000	\$2,000
Cap Disposal Areas 1, 2, 3, 5	Cap Disposal Areas 1, 2, 3, 5	\$9,840,217	\$9,840,217	\$6,645,923	\$6,645,923
	Stormwater Management Facilities	\$250,000	\$250,000	\$250,000	\$250,000
Valleycrest Drive Re-Opening	Valleycrest Drive Re-Opening	\$180,750	\$180,750	\$180,750	\$180,750
		\$25,000	\$25,000	\$25,000	\$25,000
NAPL	Recovery Systems at NSL-54L and NSL-55L	\$794,750	\$794,750	\$794,750	\$794,750
	Extraction System	\$1,300,000	\$1,300,000	\$1,300,000	\$1,300,000
Leachate	Pretreatment System	\$35,000	\$35,000	\$35,000	\$35,000
	Sanitary Sewer Tie-In and Capacity Sensor	\$764,000	\$764,000	\$764,000	\$764,000
Landfill Gas	Collection and Monitoring System	\$764,000	\$764,000	\$764,000	\$764,000
	Energy Recovery Devices	not included	not included	not included	not included
Groundwater	Monitoring Network Expansion	\$150,000	\$150,000	\$150,000	\$150,000
	Extraction System	not included	\$276,000	not included	\$276,000
	Pretreatment System (incremental to leachate)	not included	\$650,000	not included	\$650,000
	Subtotal Capital Cost	\$14,911,447	\$15,837,447	\$11,717,153	\$12,643,153
	Contingency (30%):	\$4,473,434	\$4,751,234	\$3,515,146	\$3,792,946
	Subtotal:	\$19,384,881	\$20,588,681	\$15,232,299	\$16,436,099
	Professional/Technical Services - Project Management (5%):	\$969,244	\$1,029,434	\$761,615	\$821,805
	Professional/Technical Services - Remedial Design (6%):	\$1,163,093	\$1,235,321	\$913,938	\$986,166
	Professional/Technical Services - Construction Management (6%):	\$1,163,093	\$1,235,321	\$913,938	\$986,166
	Institutional Controls:	\$25,000	\$25,000	\$25,000	\$25,000
	Total Capital Cost:	\$22,705,311	\$24,113,757	\$17,846,790	\$19,255,236

ANNUAL O&M COSTS

Waste	Cap	\$25,000	\$25,000	\$25,000	\$25,000
	Stormwater Management Facilities	\$25,000	\$25,000	\$25,000	\$25,000
NAPL	Monitoring/Removal	\$5,000	\$5,000	\$5,000	\$5,000
	Extraction System	\$50,000	\$50,000	\$50,000	\$50,000
Leachate	Pretreatment System	\$150,000	\$150,000	\$150,000	\$150,000
	Off-Site Disposal	\$35,000	\$35,000	\$40,000	\$40,000
Landfill Gas	Collection and Flaring	\$50,000	\$50,000	\$50,000	\$50,000
	Monitoring	\$25,000	\$25,000	\$25,000	\$25,000
Groundwater	Extraction System	not included	\$50,000	not included	\$50,000
	Pretreatment System (incremental to leachate)	not included	\$75,000	not included	\$75,000
	Off-Site Disposal	not included	\$43,000	not included	\$43,000
	Monitoring	\$150,000	\$150,000	\$150,000	\$150,000
	Monitoring Well Maintenance	\$10,000	\$10,000	\$10,000	\$10,000
	Subtotal Annual O&M Cost	\$525,000	\$693,000	\$530,000	\$698,000
	Contingency (30%):	\$157,500	\$207,900	\$159,000	\$209,400
	Subtotal:	\$682,500	\$900,900	\$689,000	\$907,400
	Professional/Technical Services - Project Management (5%):	\$34,125	\$45,045	\$34,450	\$45,370
	Professional/Technical Services - O&M Technical Support (15%):	\$102,375	\$135,135	\$103,350	\$136,110
	Institutional Controls:	\$10,000	\$10,000	\$10,000	\$10,000
	Total Annual O&M Cost:	\$829,000	\$1,091,080	\$836,800	\$1,098,880

PERIODIC COSTS¹

Leachate	Extraction/Pretreatment System Decommissioning	\$150,000	\$150,000	\$150,000	\$150,000
	Collection System Decommissioning	\$100,000	\$100,000	\$100,000	\$100,000
Landfill Gas	Monitoring Network Decommissioning	\$50,000	\$50,000	\$50,000	\$50,000
	Extraction System Decommissioning	not included	\$150,000	not included	\$150,000
Groundwater	Monitoring Network Decommissioning	\$100,000	\$100,000	\$100,000	\$100,000
		\$400,000	\$550,000	\$400,000	\$550,000
	Subtotal Decommissioning Cost	\$400,000	\$550,000	\$400,000	\$550,000
	Contingency (30%):	\$120,000	\$165,000	\$120,000	\$165,000
	Subtotal:	\$520,000	\$715,000	\$520,000	\$715,000
Various	5-Year Reviews	\$65,000	\$65,000	\$65,000	\$65,000
Various	Remedial Action Report	\$130,000	\$130,000	\$130,000	\$130,000

Notes

¹Decommissioning and Remedial Action Report costs occur at Year 30. 5-Year review costs occur at Years 5, 10, 15, 20, and 25. Includes 30% contingency.

SUMMARY OF ESTIMATED CAPITAL, ANNUAL O&M, AND PERIODIC COSTS
(LEACHATE/GROUNDWATER SANITARY SEWER DISPOSAL SCENARIO, 9% AGENCY OVERSIGHT)
NORTH SANITARY LANDFILL
DAYTON, OHIO

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Environmental Media	Alternative No.:	2a	2b	3a	3b
	Disposal Area 1, 2, 3, 5 Cap:	SW Cap	SW Cap	Alternate SW Cap	Alternate SW Cap
	Groundwater:	Monitoring	Extraction	Monitoring	Extraction
	Process Options				

CAPITAL COSTS

Waste and OPBWA Soil	Disposal Area 4 Waste Relocation	\$1,537,080	\$1,537,080	\$1,537,080	\$1,537,080
	Disposal Area 4 Post-Excavation Sampling	\$25,000	\$25,000	\$25,000	\$25,000
	OPBWA Waste and Soil Consolidation	\$7,650	\$7,650	\$7,650	\$7,650
	OPBWA Post-Excavation Sampling	\$2,000	\$2,000	\$2,000	\$2,000
	Cap Disposal Areas 1, 2, 3, 5	\$9,840,217	\$9,840,217	\$6,645,923	\$6,645,923
	Stormwater Management Facilities	\$250,000	\$250,000	\$250,000	\$250,000
	Valleycrest Drive Re-Opening	\$180,750	\$180,750	\$180,750	\$180,750
NAPL	Recovery Systems at NSL-54L and NSL-55L	\$25,000	\$25,000	\$25,000	\$25,000
	Extraction System	\$794,750	\$794,750	\$794,750	\$794,750
Leachate	Pretreatment System	\$1,300,000	\$1,300,000	\$1,300,000	\$1,300,000
	Sanitary Sewer Tie-In and Capacity Sensor	\$35,000	\$35,000	\$35,000	\$35,000
Landfill Gas	Collection and Monitoring System	\$764,000	\$764,000	\$764,000	\$764,000
	Energy Recovery Devices	not included	not included	not included	not included
Groundwater	Monitoring Network Expansion	\$150,000	\$150,000	\$150,000	\$150,000
	Extraction System	not included	\$276,000	not included	\$276,000
	Pretreatment System (incremental to leachate)	not included	\$659,000	not included	\$650,000
	Subtotal Capital Cost:	\$14,911,447	\$15,837,447	\$11,717,153	\$12,643,153
	Contingency (30%):	\$4,473,434	\$4,751,234	\$3,515,146	\$3,792,946
	Subtotal:	\$19,384,881	\$20,588,681	\$15,232,299	\$16,436,099
	Professional/Technical Services - Project Management (5%):	\$969,244	\$1,029,434	\$761,615	\$821,805
	Professional/Technical Services - Remedial Design (6%):	\$1,163,093	\$1,235,321	\$913,938	\$986,166
	Professional/Technical Services - Construction Management (6%):	\$1,163,093	\$1,235,321	\$913,938	\$986,166
	Institutional Controls:	\$25,000	\$25,000	\$25,000	\$25,000
	Total Capital Cost:	\$24,449,950	\$25,966,738	\$19,217,697	\$20,734,485

ANNUAL O&M COSTS

Waste	Cap	\$25,000	\$25,000	\$25,000	\$25,000
	Stormwater Management Facilities	\$25,000	\$25,000	\$25,000	\$25,000
NAPL	Monitoring/Removal	\$5,000	\$5,000	\$5,000	\$5,000
	Extraction System	\$50,000	\$50,000	\$50,000	\$50,000
Leachate	Pretreatment System	\$150,000	\$150,000	\$150,000	\$150,000
	Off-Site Disposal	\$35,000	\$35,000	\$40,000	\$40,000
Landfill Gas	Collection and Flaring	\$50,000	\$50,000	\$50,000	\$50,000
	Monitoring	\$25,000	\$25,000	\$25,000	\$25,000
Groundwater	Extraction System	not included	\$50,000	not included	\$50,000
	Pretreatment System (incremental to leachate)	not included	\$75,000	not included	\$75,000
	Off-Site Disposal	not included	\$43,000	not included	\$43,000
	Monitoring	\$150,000	\$150,000	\$150,000	\$150,000
	Monitoring Well Maintenance	\$10,000	\$10,000	\$10,000	\$10,000
	Subtotal Annual O&M Cost:	\$525,000	\$693,000	\$530,000	\$698,000
	Contingency (30%):	\$157,500	\$207,900	\$159,000	\$209,400
	Subtotal:	\$682,500	\$900,900	\$689,000	\$907,400
	Professional/Technical Services - Project Management (5%):	\$34,125	\$45,045	\$34,450	\$45,370
	Professional/Technical Services - O&M Technical Support (15%):	\$102,375	\$135,135	\$103,350	\$136,110
	Institutional Controls:	\$10,000	\$10,000	\$10,000	\$10,000
	Total Annual O&M Cost:	\$890,425	\$1,172,161	\$896,810	\$1,180,546

PERIODIC COSTS¹

Leachate	Extraction/Pretreatment System Decommissioning	\$150,000	\$150,000	\$150,000	\$150,000
	Collection System Decommissioning	\$100,000	\$100,000	\$100,000	\$100,000
Landfill Gas	Monitoring Network Decommissioning	\$50,000	\$50,000	\$50,000	\$50,000
	Extraction System Decommissioning	not included	\$150,000	not included	\$150,000
Groundwater	Monitoring Network Decommissioning	\$100,000	\$100,000	\$100,000	\$100,000
	Extraction System Decommissioning	not included	\$100,000	not included	\$100,000
	Subtotal Decommissioning Cost:	\$400,000	\$550,000	\$400,000	\$550,000
	Contingency (30%):	\$120,000	\$165,000	\$120,000	\$165,000
	Subtotal:	\$520,000	\$715,000	\$520,000	\$715,000
Various	5-Year Reviews	\$65,000	\$65,000	\$65,000	\$65,000
Various	Remedial Action Report	\$130,000	\$130,000	\$130,000	\$130,000

Notes

¹Decommissioning and Remedial Action Report costs occur at Year 30. 5-Year review costs occur at Years 5, 10, 15, 20, and 25. Includes 30% contingency.

**SUMMARY OF ESTIMATED CAPITAL, ANNUAL O&M, AND PERIODIC COSTS
(LEACHATE/GROUNDWATER T&D SCENARIO, 0% AGENCY OVERSIGHT)
NORTH SANITARY LANDFILL
DAYTON, OHIO**

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Environmental Media	Alternative No.:	2a	2b	3a	3b
	Disposal Area 1, 2, 3, 5 Cap:	SW Cap	SW Cap	Alternate SW Cap	Alternate SW Cap
	Groundwater:	Monitoring	Extraction	Monitoring	Extraction
	Process Options				

CAPITAL COSTS

Waste and OPBWA Soil	Disposal Area 4 Waste Relocation	\$1,537,080	\$1,537,080	\$1,537,080	\$1,537,080
	Disposal Area 4 Post-Excavation Sampling	\$25,000	\$25,000	\$25,000	\$25,000 ¹
	OPBWA Waste and Soil Consolidation	\$7,650	\$7,650	\$7,650	\$7,650
	OPBWA Post-Excavation Sampling	\$2,000	\$2,000	\$2,000	\$2,000
	Cap Disposal Areas 1, 2, 3, 5	\$9,840,217	\$9,840,217	\$6,645,923	\$6,645,923
	Stormwater Management Facilities	\$250,000	\$250,000	\$250,000	\$250,000
	Valleycrest Drive Re-Opening	\$180,750	\$180,750	\$180,750	\$180,750
NAPL	Recovery Systems at NSL-54L and NSL-55L	\$25,000	\$25,000	\$25,000	\$25,000
Leachate	Extraction System	\$794,750	\$794,750	\$794,750	\$794,750
	Collection Tank	\$50,000	\$50,000	\$50,000	\$50,000
Landfill Gas	Collection and Monitoring System	\$764,000	\$764,000	\$764,000	\$764,000
	Energy Recovery Devices	not included	not included	not included	not included
Groundwater	Monitoring Network Expansion	\$150,000	\$150,000	\$150,000	\$150,000
	Extraction System	not included	\$276,000	not included	\$276,000
	Collection Tank (Incremental to Leachate)	not included	\$75,000	not included	\$75,000
Subtotal Capital Cost:		\$13,626,447	\$13,977,447	\$10,432,153	\$10,783,153
Contingency (30%):		\$4,087,934	\$4,193,234	\$3,129,646	\$3,234,946
Subtotal:		\$17,714,381	\$18,170,681	\$13,561,799	\$14,018,099
Professional/Technical Services - Project Management (5%):		\$885,719	\$908,534	\$678,090	\$700,905
Professional/Technical Services - Remedial Design (6%):		\$1,062,863	\$1,090,241	\$813,708	\$841,086
Professional/Technical Services - Construction Management (6%):		\$1,062,863	\$1,090,241	\$813,708	\$841,086
Institutional Controls:		\$25,000	\$25,000	\$25,000	\$25,000
Total Capital Costs		\$20,750,826	\$21,284,697	\$15,892,305	\$16,426,176

ANNUAL O&M COSTS

Waste	Cap	\$25,000	\$25,000	\$25,000	\$25,000
	Stormwater Management Facilities	\$25,000	\$25,000	\$25,000	\$25,000
NAPL	Monitoring/Removal	\$5,000	\$5,000	\$5,000	\$5,000
Leachate	Extraction System	\$50,000	\$50,000	\$50,000	\$50,000
	Off-Site T&D	\$1,629,360	\$1,629,360	\$1,997,280	\$1,997,280
Landfill Gas	Collection and Flaring	\$50,000	\$50,000	\$50,000	\$50,000
	Monitoring	\$25,000	\$25,000	\$25,000	\$25,000
Groundwater	Extraction System	not included	\$50,000	not included	\$50,000
	Off-Site T&D	not included	\$2,154,960	not included	\$2,154,960
	Monitoring	\$150,000	\$150,000	\$150,000	\$150,000
	Monitoring Well Maintenance	\$10,000	\$10,000	\$10,000	\$10,000
Subtotal Annual O&M Cost:		\$1,969,360	\$4,174,320	\$2,337,280	\$4,542,240
Contingency (30%):		\$590,808	\$1,252,296	\$701,184	\$1,362,672
Subtotal:		\$2,560,168	\$5,426,616	\$3,038,464	\$5,904,912
Professional/Technical Services - Project Management (5%):		\$128,008	\$271,331	\$151,923	\$295,246
Professional/Technical Services - O&M Technical Support (15%):		\$384,025	\$813,992	\$455,770	\$885,737
Institutional Controls:		\$10,000	\$10,000	\$10,000	\$10,000
Total Annual O&M Cost:		\$3,082,202	\$6,521,939	\$3,656,157	\$7,095,894

PERIODIC COSTS¹

Leachate	Extraction/Tank System Decommissioning	\$150,000	\$150,000	\$150,000	\$150,000
Landfill Gas	Collection System Decommissioning	\$100,000	\$100,000	\$100,000	\$100,000
	Monitoring Network Decommissioning	\$50,000	\$50,000	\$50,000	\$50,000
Groundwater	Extraction System Decommissioning	not included	\$150,000	not included	\$150,000
	Monitoring Network Decommissioning	\$100,000	\$100,000	\$100,000	\$100,000
Subtotal Decommissioning Cost:		\$400,000	\$550,000	\$400,000	\$550,000
Contingency (30%):		\$120,000	\$165,000	\$120,000	\$165,000
Subtotal:		\$520,000	\$715,000	\$520,000	\$715,000
Various	5-Year Reviews	\$65,000	\$65,000	\$65,000	\$65,000
Various	Remedial Action Report	\$130,000	\$130,000	\$130,000	\$130,000

Notes

¹Decommissioning and Remedial Action Report costs occur at Year 30. 5-Year review costs occur at Years 5, 10, 15, 20, and 25. Includes 30% contingency.

**SUMMARY OF ESTIMATED CAPITAL ANNUAL O&M AND PERIODIC COSTS
(LEACHATE/GROUNDWATER T&D SCENARIO, 9% AGENCY OVERSIGHT)
NORTH SANITARY LANDFILL
DAYTON, OHIO**

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	Alternative No.:	2a	2b	3a	3b
	Disposal Area 1, 2, 3, 5 Cap:	SW Cap	SW Cap	Alternate SW Cap	Alternate SW Cap
	Groundwater:	Monitoring	Extraction	Monitoring	Extraction
Environmental Media	Process Options				

CAPITAL COSTS

Waste and OPBWA Soil	Disposal Area 4 Waste Relocation	\$1,537,080	\$1,537,080	\$1,537,080	\$1,537,080
	Disposal Area 4 Post-Excavation Sampling	\$25,000	\$25,000	\$25,000	\$25,000
	OPBWA Waste and Soil Consolidation	\$7,650	\$7,650	\$7,650	\$7,650
	OPBWA Post-Excavation Sampling	\$2,000	\$2,000	\$2,000	\$2,000
	Cap Disposal Areas 1, 2, 3, 5	\$9,840,217	\$9,840,217	\$6,645,923	\$6,645,923
	Stormwater Management Facilities	\$250,000	\$250,000	\$250,000	\$250,000
	Valleycrest Drive Re-Opening	\$180,750	\$180,750	\$180,750	\$180,750
NAPL	Recovery Systems at NSL-54L and NSL-55L	\$25,000	\$25,000	\$25,000	\$25,000
Leachate	Extraction System	\$794,750	\$794,750	\$794,750	\$794,750
	Collection Tank	\$50,000	\$50,000	\$50,000	\$50,000
Landfill Gas	Collection and Monitoring System	\$764,000	\$764,000	\$764,000	\$764,000
	Energy Recovery Devices	not included	not included	not included	not included
Groundwater	Monitoring Network Expansion	\$150,000	\$150,000	\$150,000	\$150,000
	Extraction System	not included	\$276,000	not included	\$276,000
	Collection Tank (Incremental to leachate)	not included	\$75,000	not included	\$75,000
	Subtotal Capital Cost:	\$13,626,447	\$13,977,447	\$10,432,153	\$10,783,153
	Contingency (30%):	\$4,087,934	\$4,193,234	\$3,129,646	\$3,234,946
	Subtotal:	\$17,714,381	\$18,170,681	\$13,561,799	\$14,018,099
	Professional/Technical Services - Project Management (5%):	\$885,719	\$908,534	\$678,090	\$700,905
	Professional/Technical Services - Remedial Design (6%):	\$1,062,863	\$1,090,241	\$813,708	\$841,086
	Professional/Technical Services - Construction Management (6%):	\$1,062,863	\$1,090,241	\$813,708	\$841,086
	Institutional Controls:	\$25,000	\$25,000	\$25,000	\$25,000
	Total Capital Cost:	\$22,345,120	\$22,920,058	\$17,112,867	\$17,687,805

ANNUAL O&M COSTS

Waste	Cap	\$25,000	\$25,000	\$25,000	\$25,000
	Stormwater Management Facilities	\$25,000	\$25,000	\$25,000	\$25,000
NAPL	Monitoring/Removal	\$5,000	\$5,000	\$5,000	\$5,000
Leachate	Extraction System	\$50,000	\$50,000	\$50,000	\$50,000
	Off-Site T&D	\$1,629,360	\$1,629,360	\$1,997,280	\$1,997,280
Landfill Gas	Collection and Flaring	\$50,000	\$50,000	\$50,000	\$50,000
	Monitoring	\$25,000	\$25,000	\$25,000	\$25,000
Groundwater	Extraction System	not included	\$50,000	not included	\$50,000
	Off-Site T&D	not included	\$2,154,960	not included	\$2,154,960
	Monitoring	\$150,000	\$150,000	\$150,000	\$150,000
	Monitoring Well Maintenance	\$10,000	\$10,000	\$10,000	\$10,000
	Subtotal Annual O&M Cost:	\$1,969,360	\$4,174,320	\$2,337,280	\$4,542,240
	Contingency (30%):	\$590,808	\$1,252,296	\$701,184	\$1,362,672
	Subtotal:	\$2,560,168	\$5,426,616	\$3,038,464	\$5,904,912
	Professional/Technical Services - Project Management (5%):	\$128,008	\$271,331	\$151,923	\$295,246
	Professional/Technical Services - O&M Technical Support (15%):	\$384,025	\$813,992	\$455,770	\$885,737
	Institutional Controls:	\$10,000	\$10,000	\$10,000	\$10,000
	Total Annual O&M Cost:	\$3,312,617	\$7,010,335	\$3,929,619	\$7,627,336

PERIODIC COSTS¹

Leachate	Extraction/Tank System Decommissioning	\$150,000	\$150,000	\$150,000	\$150,000
Landfill Gas	Collection System Decommissioning	\$100,000	\$100,000	\$100,000	\$100,000
	Monitoring Network Decommissioning	\$50,000	\$50,000	\$50,000	\$50,000
Groundwater	Extraction System Decommissioning	not included	\$150,000	not included	\$150,000
	Monitoring Network Decommissioning	\$100,000	\$100,000	\$100,000	\$100,000
	Subtotal Decommissioning Cost:	\$400,000	\$550,000	\$400,000	\$550,000
	Contingency (30%):	\$120,000	\$165,000	\$120,000	\$165,000
	Subtotal:	\$520,000	\$715,000	\$520,000	\$715,000
Various	5-Year Reviews	\$65,000	\$65,000	\$65,000	\$65,000
Various	Remedial Action Report	\$130,000	\$130,000	\$130,000	\$130,000

Notes

¹Decommissioning and Remedial Action Report costs occur at Year 30. 5-Year review costs occur at Years 5, 10, 15, 20, and 25. Includes 30% contingency.